



Seattle Transit Master Plan

Seattle City Council Transportation Committee Briefing

May 10, 2011



**Seattle
Department of
Transportation**

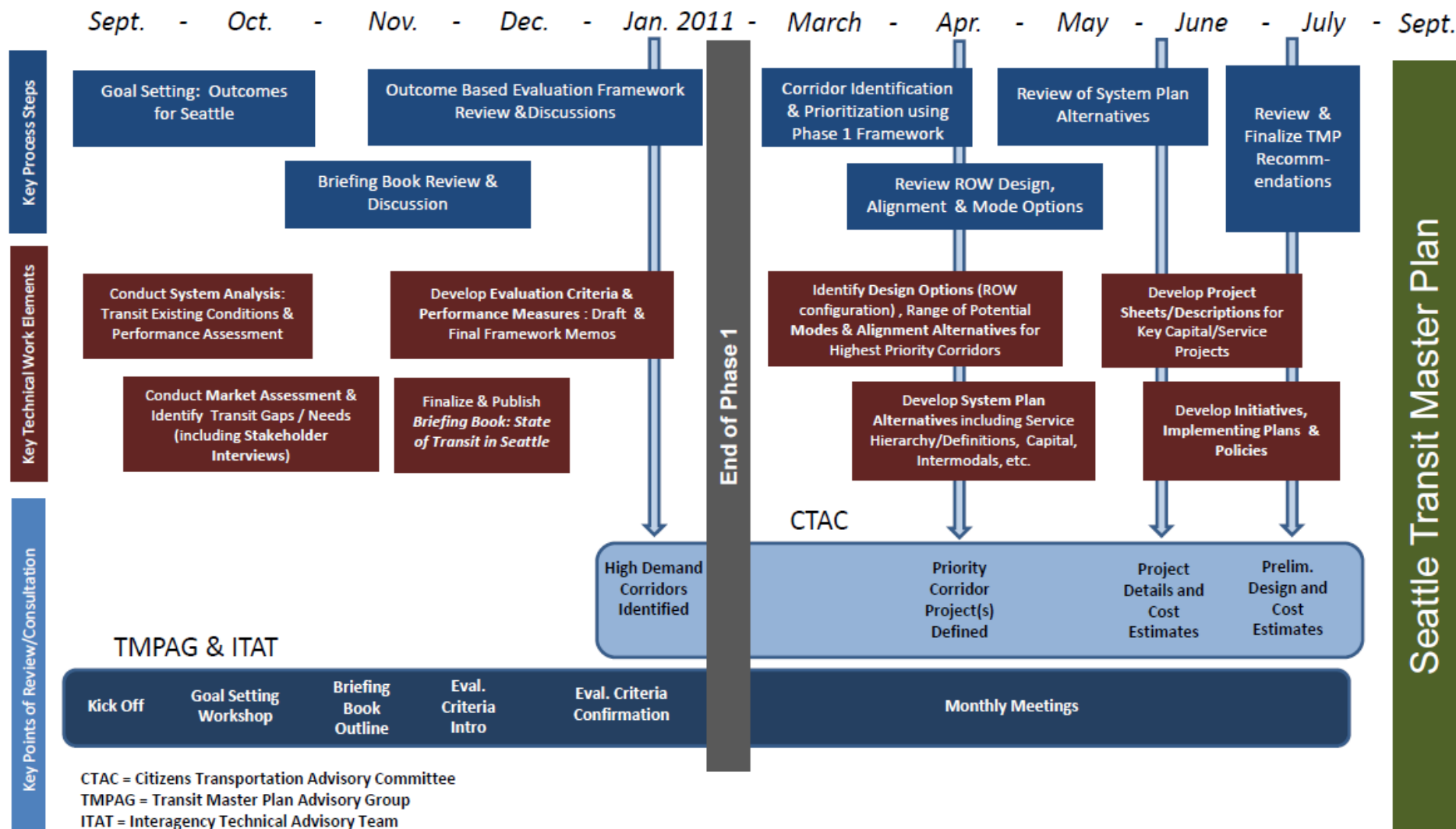


Presentation Outline

- Review of project schedule and goals
- Review of evaluation framework
- Stage I analysis and results
- Approach for Center City
- Next steps for Stage II



Transit Master Plan Schedule



Transit Master Plan Goals

- Make it easier and more desirable for people to take transit
- Respond to the needs of vulnerable populations
- Meet sustainability, growth management, and economic goals
- Create great places where modes connect
- Advance implementation within constraints

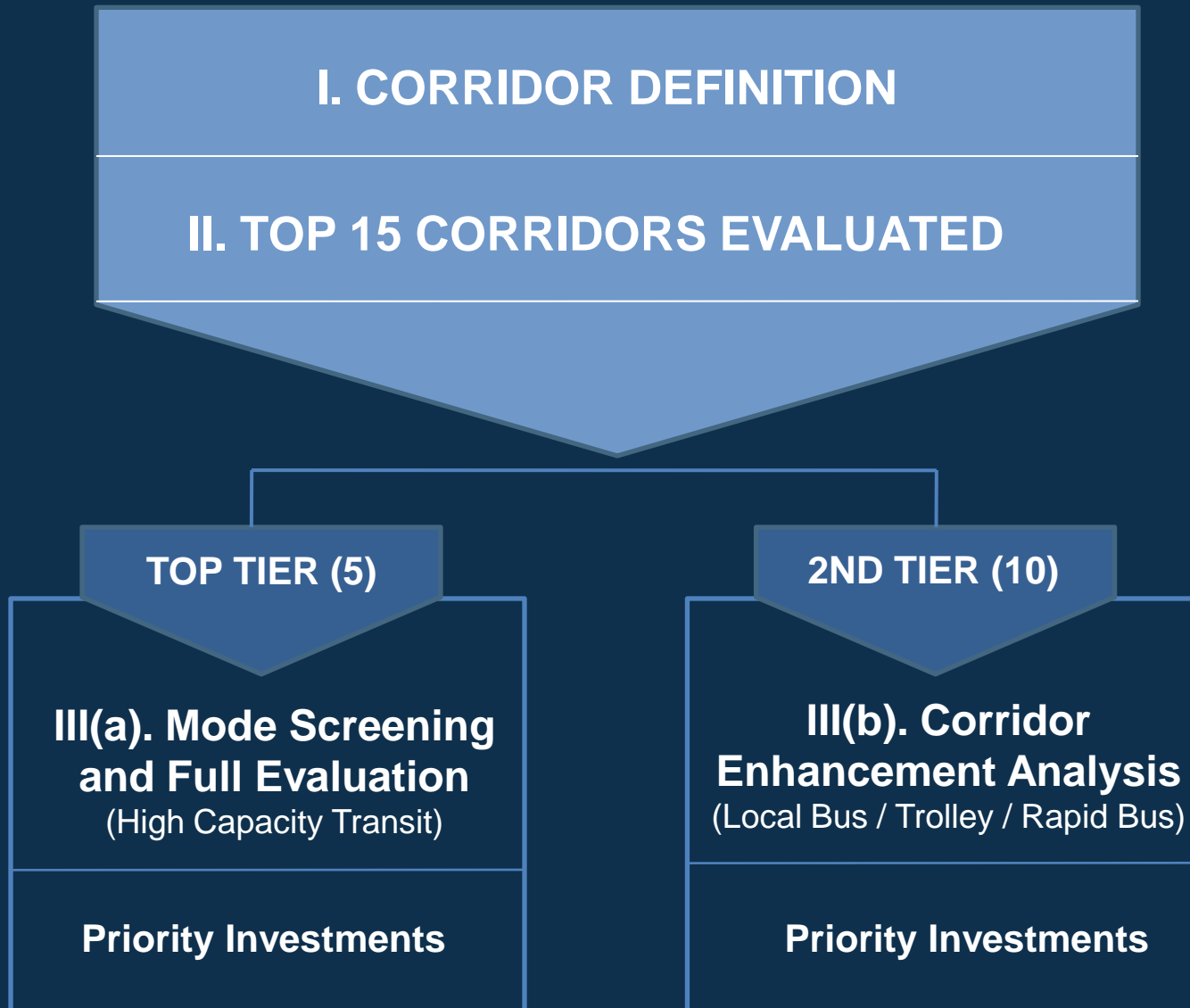


TMP Evaluation Framework

- Aligns with TMP goals
- Builds on market analysis
- Uses multi-stage evaluation process
- Identifies priority corridors for service and capital investments



Stages of Evaluation



Stage I: Corridor Definition

Purpose

- Screen long list of potential corridors
- Define corridors to be evaluated as:
 - High capacity transit corridors
 - Priority bus corridors

Approach



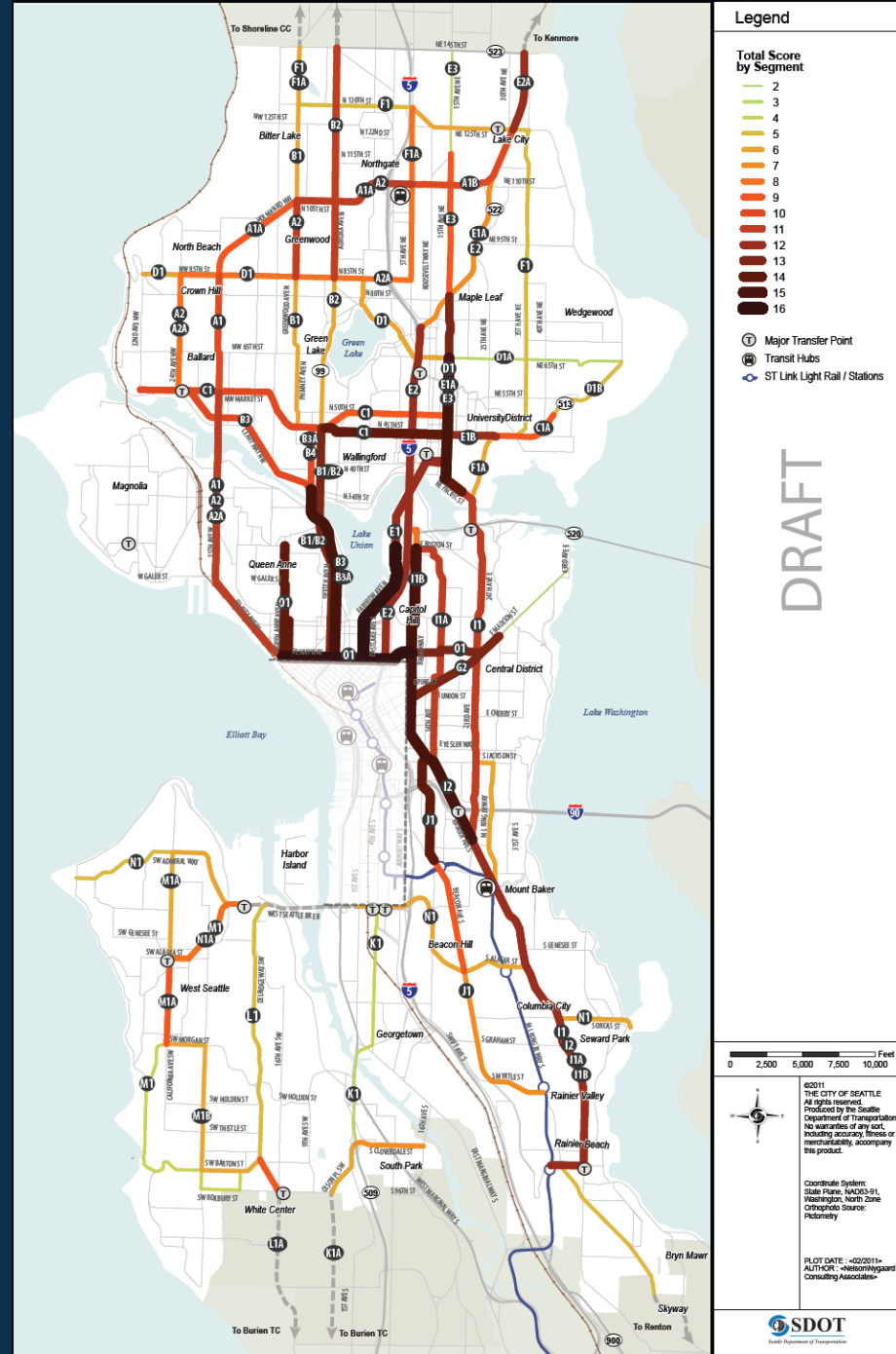
Corridor Definition Criteria

- Existing ridership/productivity
- Ridership potential (current and future land use)
- Benefits to vulnerable communities
- Potential for travel time savings
- Anchor/generator strength
- Transit supportive zoning



Total Scores for Segments Evaluated in Stage I

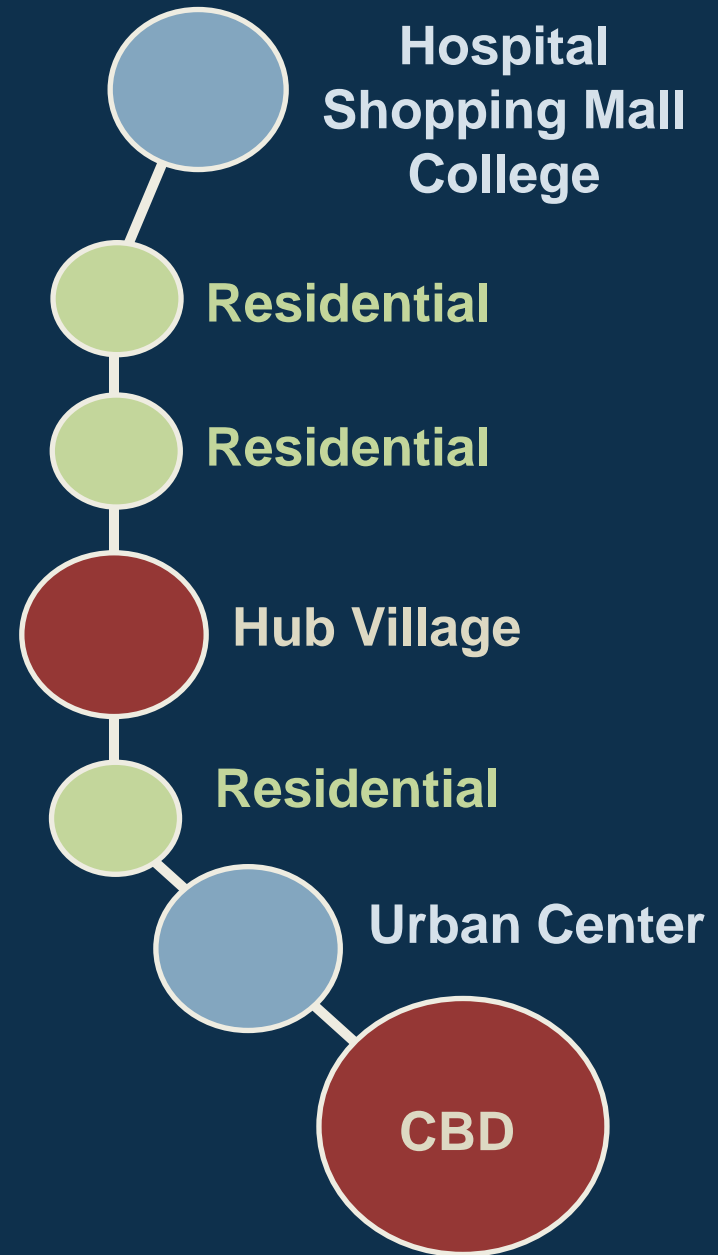
- Ridership criterion reflects current service design
- Land use criteria emphasize Center City and University District segments
- Strong cross-town markets emerge north of Ship Canal and east of Center City
- Strongest markets parallel right-of-way limitations



Stage I Corridor Evaluation Total Scores

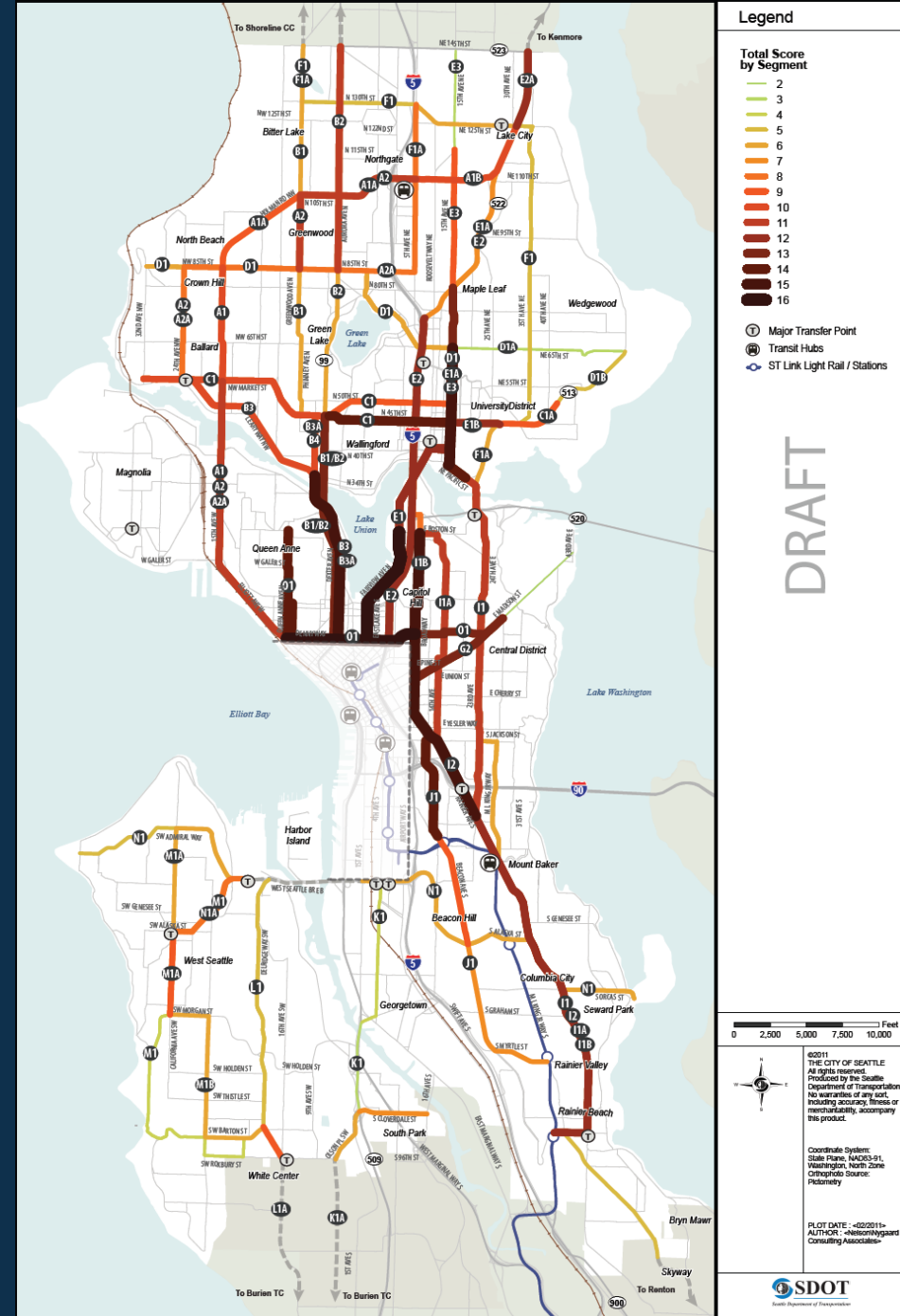
What makes a great transit corridor?

- Mix of land uses to generate travel demand at all times of day
- Diverse demographics
- Strong anchors
- Priority over traffic
- Convenient connections to other transit services
- High quality pedestrian and bicycle access



Service Design Principles

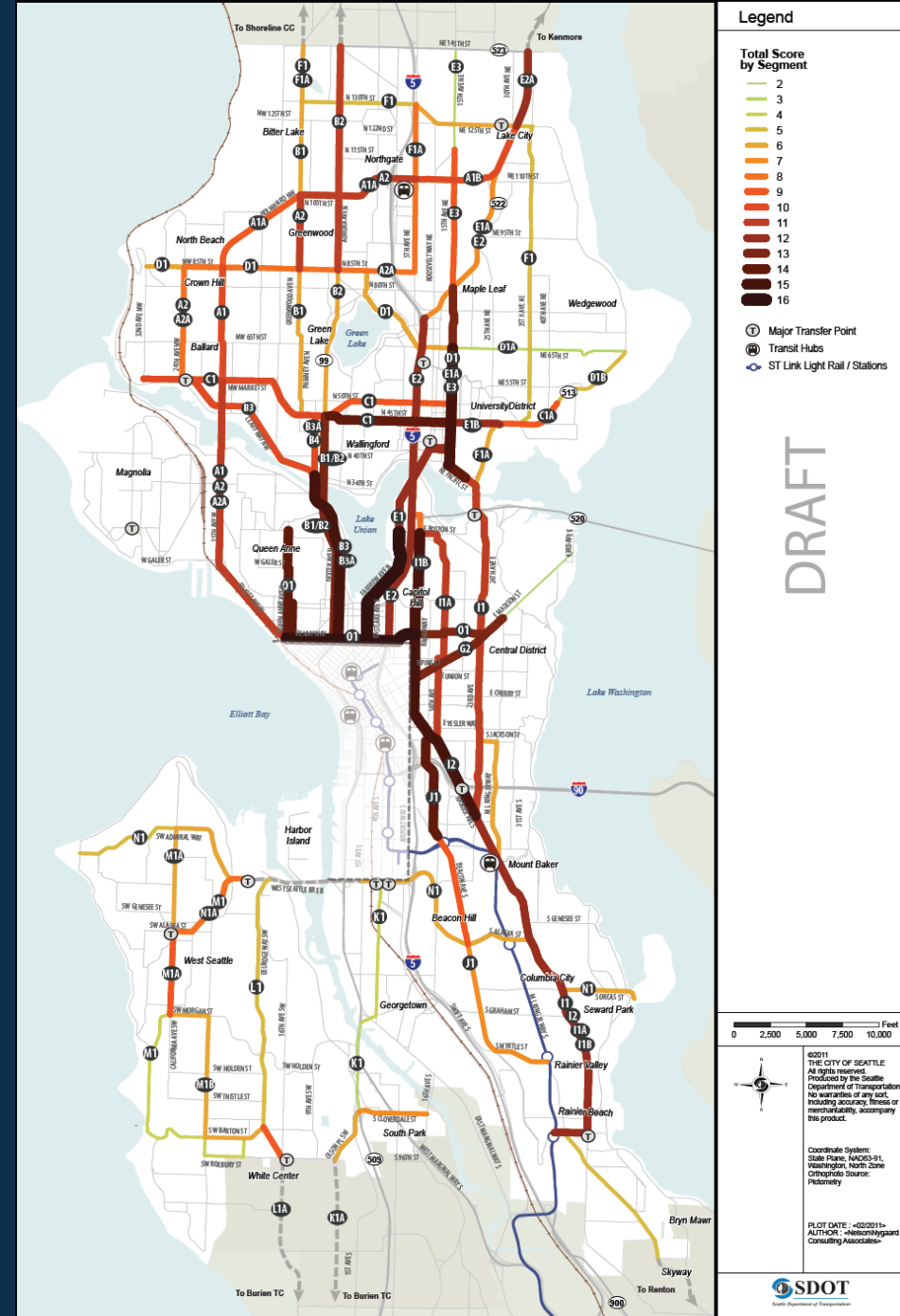
- Address social equity goals
- Ensure network and system connectivity
- Satisfy desire lines for trip making
- Leverage planned investments



Stage I Corridor Evaluation Total Scores

Service Design Principles

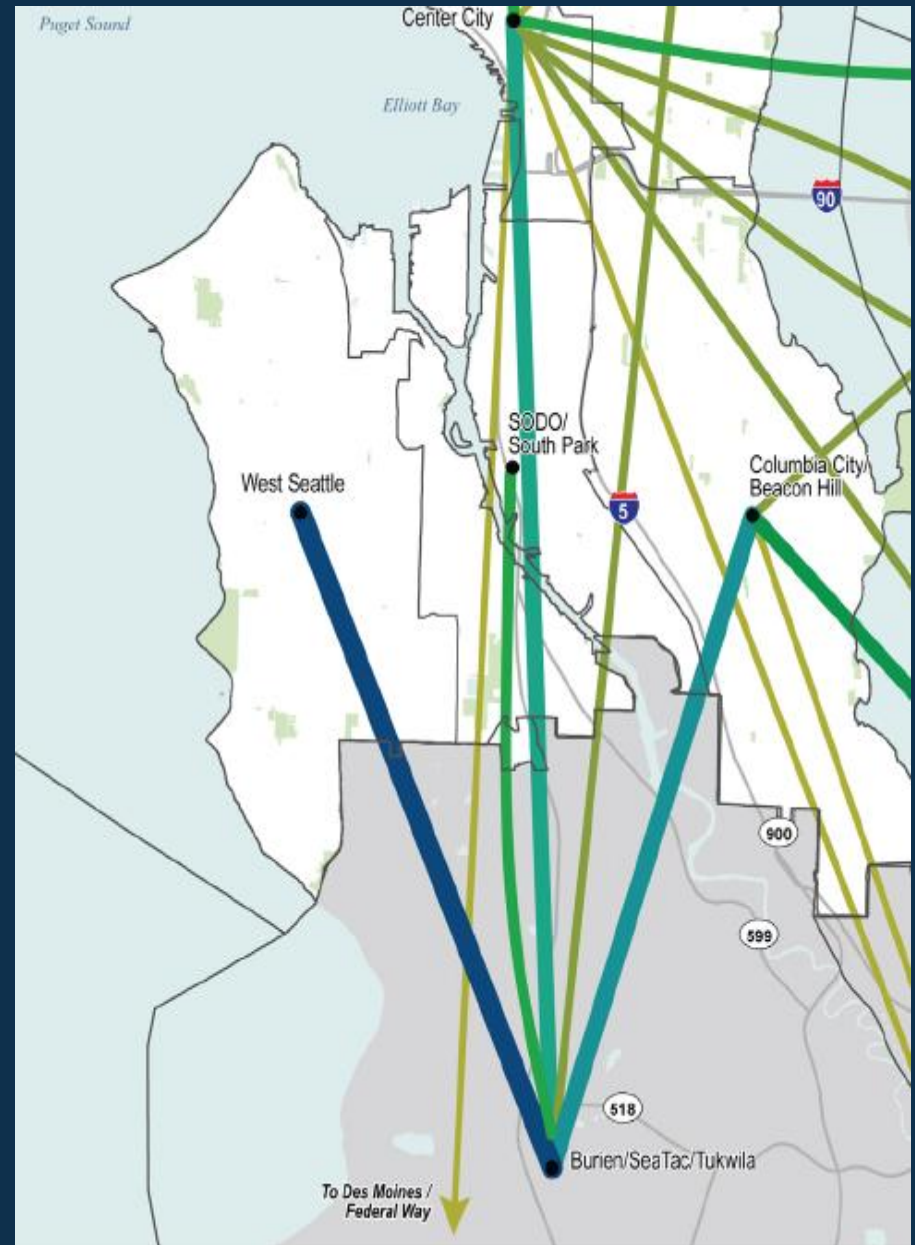
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Stage I Corridor Evaluation Total Scores

Service Design Principles

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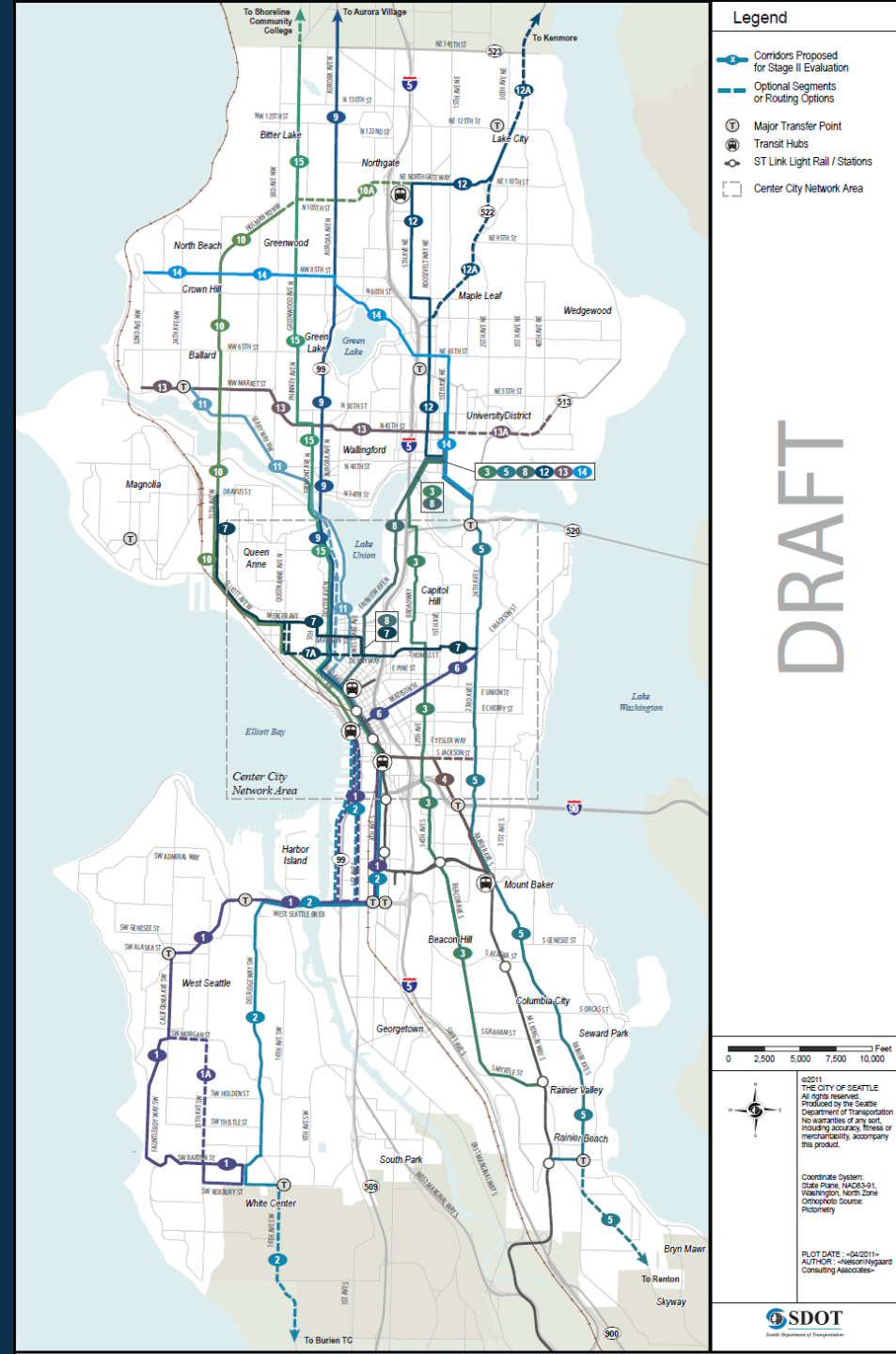
Top Transit Travel Pairs – South Seattle

Service Design Principles

- Address social equity goals
- Ensure network and system connectivity
- Satisfy desire lines for trip making
- *Leverage planned investments*



Corridors Proposed for Advancement to Stage II Analysis



What is unique about Center City?

- Land use conditions
- Transit mode and vehicle limitations due to steep grades
- Right-of-way constraints
 - Bus operations in Downtown Seattle Transit Tunnel
 - Modal tradeoffs
- Electric trolley bus network
 - Existing infrastructure investment
 - Route interlining



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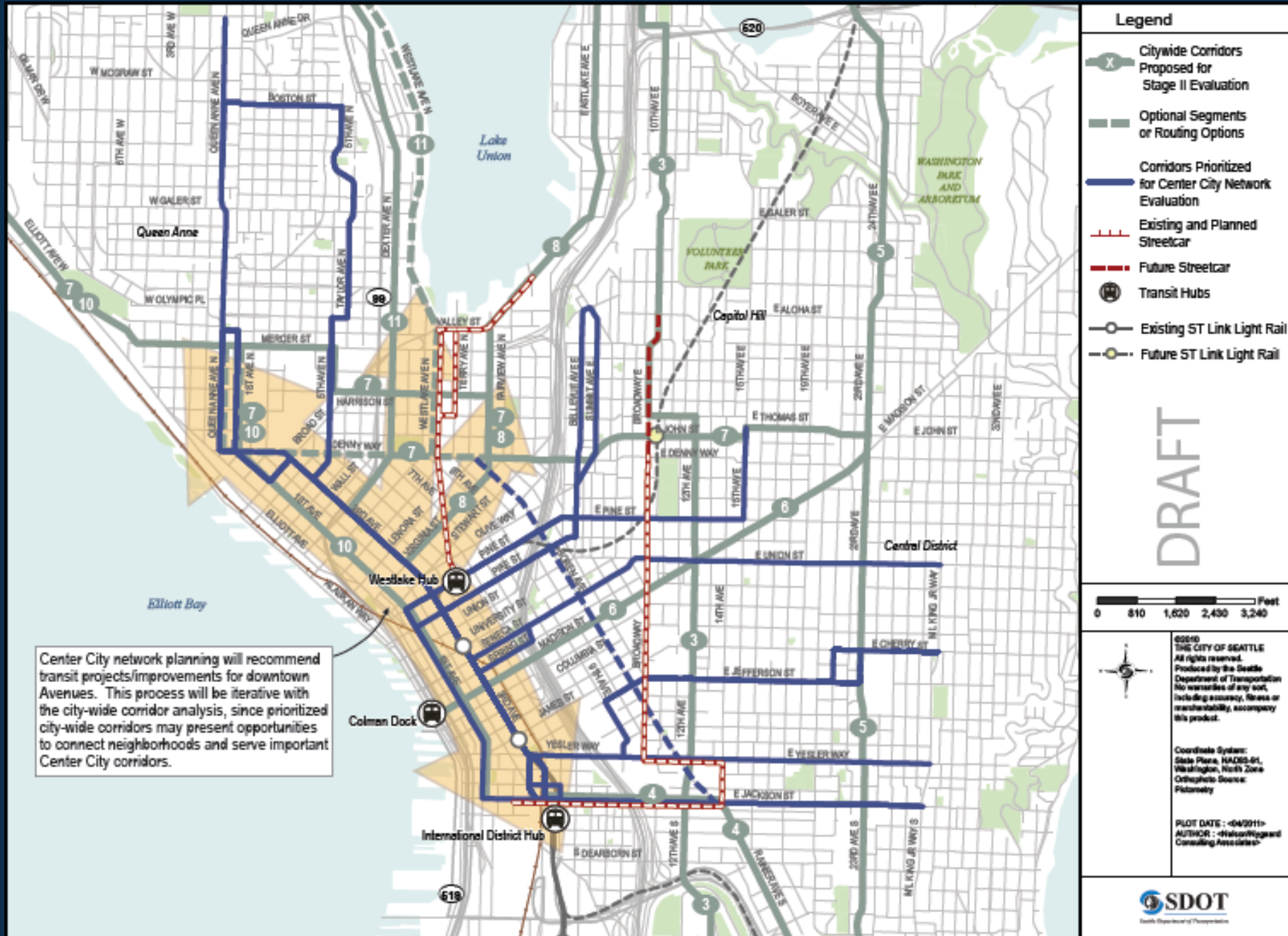
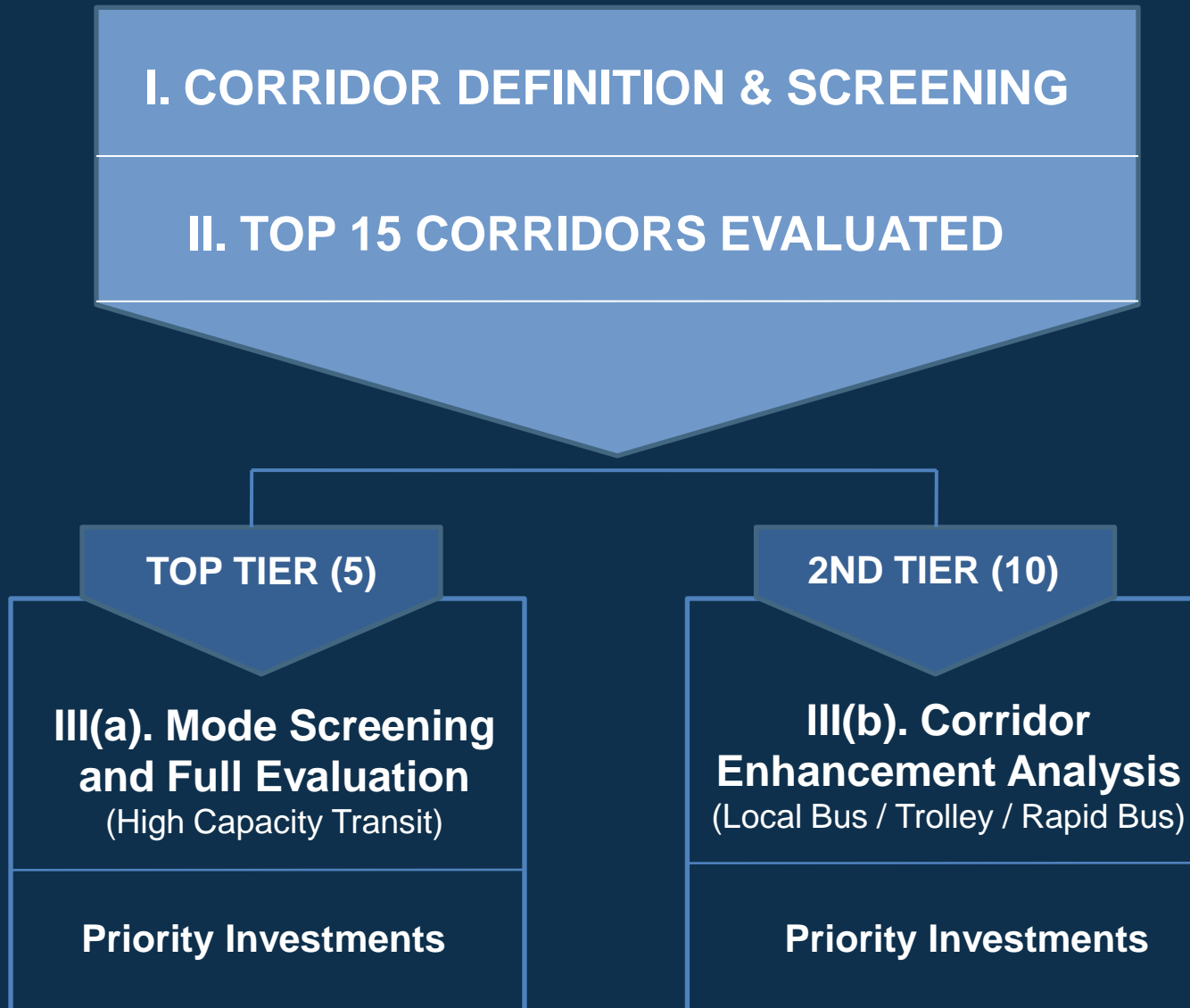


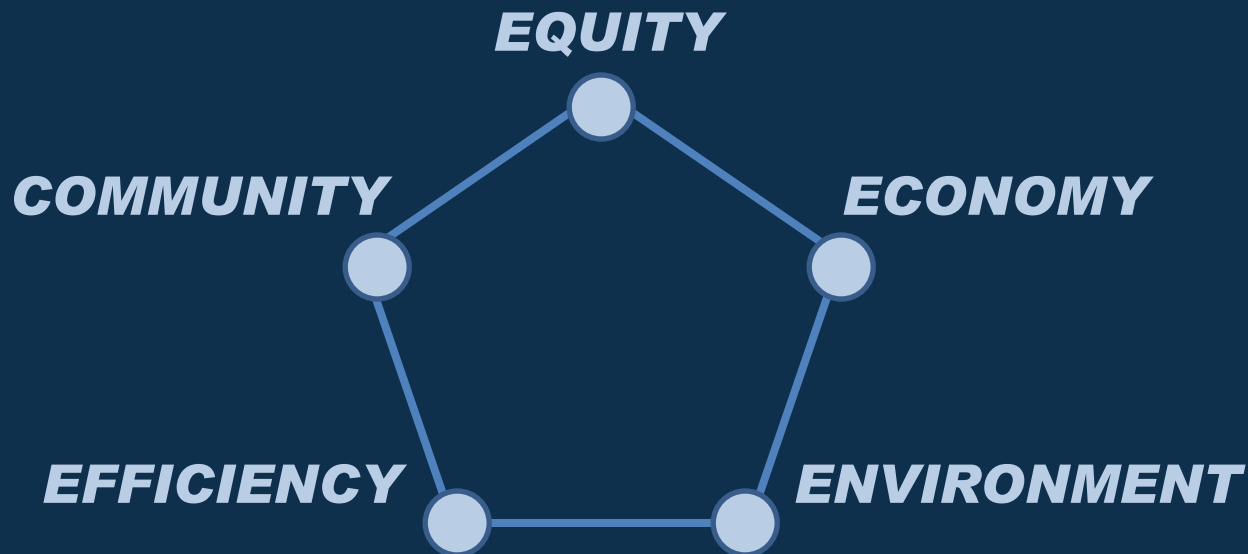
Figure 17: Center City Network Corridors

Stages of Evaluation



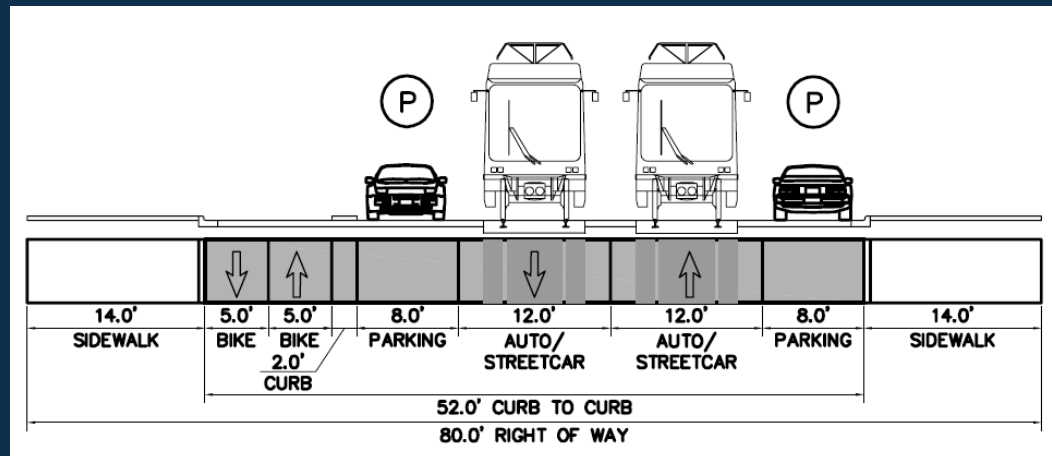
Next Steps for 15 Corridors

- Evaluate using Stage II criteria
- Involve public and technical advisory committees in weighting discussion
- Develop draft “top” tier and “second” tier recommendations
- Integrate with Center City planning



Upcoming Council Discussions

- **June:** Stage II analysis results
- **July:** Stage III modal recommendations and corridor enhancement opportunities
- **August:** System design and programmatic recommendations
- **September:** Draft TMP complete



Questions?

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Website:
[http://www.seattle.gov/
transportation/transitmasterplan](http://www.seattle.gov/transportation/transitmasterplan)

